

Title (en)  
HYDRAULIC CONTROL DEVICE FOR AN AUTOMATIC TRANSMISSION

Title (de)  
HYDRAULISCHE STEUERUNGSVORRICHTUNG FÜR EIN AUTOMATIKGETRIEBE

Title (fr)  
DISPOSITIF DE COMMANDE HYDRAULIQUE POUR TRANSMISSION AUTOMATIQUE

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Application  
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Abstract (en)  
[origin: WO2016026636A1] The invention relates to a hydraulic control device (100) for an automatic transmission of a motor vehicle, with several shift elements (106) for shifting transmitting torque, said hydraulic control device comprising at least one first pressure adjusting device (103) and at least shutoff valve (101), said shift elements (106) comprise respectively a shift element cylinder (107) for the actuation thereof. The shutoff valve (101) is arranged between the first pressure adjusting device (103) and the respective shift element cylinder (107) and can be shifted hydraulically in two shift positions by changing the control pressure (p<sub>S</sub>). In a first shift position, the first pressure adjusting device (103) is hydraulically connected to the shift element cylinder (107) by the shutoff valve (101) and in a second shift position, the shift element cylinder (107) can be sealingly closed by the shutoff valve (101) with respect to the remaining hydraulic control device and then also the first pressure adjusting device (103). According to the invention, the shutoff valve (101) is designed as a unlockable non-return valve and comprises a non-return valve (120) and an unlocking device (110) which can be actuated by means of the control pressure (p<sub>S</sub>) from one of the two pressure control devices (104).

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